

Parity Checking Rules for 16 Bit Devices

P	DB(7-0)*	P1	DB(15-8)
1	No Bits Set	1	Two Bits Set
0	One Bit Set	1	No Bits Set
0	One Bit Set	0 NC	No Bits Set
1	Two Bits Set	0 NC	No Bits Set
0	One Bit Set	0	One Bit Set

* - Parity is always checked on DB(7-0)

NC - Parity is not checked

Parity Checking Rules for 32 Bit Devices

P	DB(7-0) * Bits Active	P1	DB(15-8) Bits Active	P2	DB(23-16) Bits Active	P3	DB(31-24) Bits Active
1	0	1	2	0 NC	0	0 NC	0
1	0	1	2	1	0	0 NC	0
1	0	1	2	0 NC	0	1	0
1	0	1	2	1	0	1	0
1	0	0 NC	0	1	2	0 NC	0
1	0	1	0	1	2	0 NC	0
1	0	0 NC	0	1	2	1	0
1	0	1	0	1	2	1	0
1	0	0 NC	0	0 NC	0	1	2
1	0	1	0	0 NC	0	1	2
1	0	0 NC	0	1	0	1	2
1	0	1	0	1	0	1	2
1	0	0 NC	0	0	1	0	1
1	0	1	0	0	1	0	1
1	0	0	1	0 NC	0	0	1
1	0	0	1	1	0	0	1
1	0	0	1	0	1	0 NC	0
1	0	0	1	0	1	1	0
0	1	0 NC	0	0 NC	0	0 NC	0
0	1	0 NC	0	0 NC	0	1	0
0	1	0 NC	0	1	0	0 NC	0
0	1	0 NC	0	1	0	1	0
0	1	1	0	0 NC	0	0 NC	0
0	1	1	0	0 NC	0	1	0
0	1	1	0	1	0	0 NC	0
0	1	1	0	1	0	1	0
0	1	0	1	0 NC	0	0 NC	0
0	1	0	1	1	0	0 NC	0
0	1	0	1	0 NC	0	1	0
0	1	0	1	1	0	1	0
0	1	0 NC	0	0	1	0 NC	0
0	1	1	0	0	1	0 NC	0
0	1	0 NC	0	0	1	1	0
0	1	1	0	0 NC	0	0	1
0	1	0 NC	0	1	0	0	1
0	1	1	0	1	0	0	1
1	2	0 NC	0	0 NC	0	0 NC	0
1	2	0 NC	0	0 NC	0	1	0
1	2	0 NC	0	1	0	0 NC	0
1	2	0 NC	0	1	0	1	0
1	2	1	0	0 NC	0	0 NC	0
1	2	1	0	0 NC	0	1	0
1	2	1	0	1	0	0 NC	0
1	2	1	0	1	0	1	0

* - Parity is always checked on DB(7-0)
 NC - Parity is not checked

Selection/Reselection Rules for 16 Bit Devices

Select	Reselect	DB(7-0) Bits Set	DB(15-8) Bits Set
N	N	0	0
N	N	0	1
Y	N	1	0
Y	Y	1	1
Y	Y	0	2
Y	Y	2	0
N	N	GT 0	2
N	N	GT 1	1
N	N	GT 2	0
N	N	2	GT 0
N	N	1	GT 1
N	N	0	GT 2

A device shall not respond to SELECTION or RESELECTION phases if bad parity is detected.

Selection/Reselection Rules for 32 Bit Devices

Select	Reselect	DB(7-0) Bits Set	DB(15-8) Bits Set	DB(23-16) Bits Set	DB(31-24) Bits Set	
N	N	0	0	0	0	
N	N	0	0	0	1	
N	N	0	0	1	0	
Y	Y	0	0	1	1	
N	N	0	1	0	0	
Y	Y	0	1	0	1	
Y	Y	0	1	1	0	
Y	N	1	0	0	0	
Y	Y	1	0	0	1	
Y	Y	1	0	1	0	
Y	Y	1	1	0	0	
Y	Y	0	0	0	2	
Y	Y	0	0	2	0	
Y	Y	0	2	0	0	
Y	Y	2	0	0	0	
N	N	More than 2 bits out of the 32 bits set				

A device shall not respond to SELECTION or RESELECTION phases if bad parity is detected.